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warm spring season sets in is now receiving the most careful consideration and attention.

As stated above, every effort is being made, both on land and sea, to prevent the further extension of the plague.

BACTERIOLOGICAL STANDARDS FOR MILK.

During the last few years a large number of cities have been paying particular attention to the sanitary control of market milk. Many of these cities have adopted what are known as bacteriological standards and require that milk offered for sale shall not contain more than a given number of bacteria per cubic centimeter as shown by the ordinary methods for counting bacteria.

To ascertain the extent to which these bacteriological standards have been adopted by American cities and their nature, a circular was sent to the health department of each city in the United States having a population of 10,000 or over (1910 census), asking whether they had adopted a standard, and if so, its nature. The following is a tabular statement of the replies from the cities in which such standards had been adopted.

The population of the cities in the table estimated as of July 1, 1914, total 21,043,325.

Cities.	Estimated population July 1, 1914.	Maximum number bacteria allowed per c. c.	Standard applies to—	Standard applies during—
Albany, N. Y.	102,961	500,000	Cream only.	Entire year.
Alexandria, Va.	15,670	500,000	Raw milk.	Do.
Altoona, Pa.	56,553	10,000	Certified milk.	Do.
Ann Arbor, Mich.	14,948	100,000	Registered milk.	Do.
Amsterdam, N. Y.	35,223	50,000	Raw milk.	Do.
Arlington, Mass.	12,287	500,000	do.	Do.
Asheville, N. C.	20,157	50,000	do.	Do.
Atlanta, Ga.	179,292	100,000	do.	Do.
Augusta, Ga.	49,451	500,000	do.	Do.
Baltimore, Md.	579,590	50,000	Pasteurized milk.	Do.
		500,000	Raw milk.	Do.
		10,000	Special milk.	Do.
Battle Creek, Mich.	28,122	60,000	Raw milk.	Oct. 1-June 30.
		100,000	do.	July 1-Sept. 30.
Berkeley, Cal.	52,105	10,000	Certified milk.	Entire year.
		100,000	Inspected milk.	Do.
Berlin, N. H.	13,013	500,000	Raw milk.	Do.
Binghamton, N. Y.	52,191	300,000	do.	Do.
		15,000	Certified milk.	Do.
Birmingham, Ala.	166,154	500,000	Raw milk.	Do.
Bloomfield, N. J.	17,372	100,000	do.	Do.
Boston, Mass.	733,802	500,000	do.	Do.
Brookton, Mass.	64,043	500,000	do.	Do.
Brookline, Mass.	31,138	300,000	do.	Do.
Cairo, Ill.	15,392	300,000	do.	Do.
Cambridge, Mass.	110,357	500,000	do.	Do.
Canton, Ohio.	57,426	500,000	do.	Do.
Champaign, Ill.	13,835	100,000	do.	Do.
Charleston, S. C.	60,121	500,000	do.	Do.
		25,000	Grade A, pasteurized.	Do.
		50,000	Grade B, pasteurized.	Do.
Charlotte, N. C.	37,951	100,000	Grade A, raw.	Do.
		500,000	Grade B, raw.	Mar. 1-Aug. 31. ¹

¹ 400,000 Sept. 1-Feb. 28, 1915; 300,000 Mar. 1-Aug. 31; 200,000 Sept. 1-Feb. 28, 1916; 100,000 thereafter.

Cities.	Estimated population July 1, 1914.	Maximum number bacteria allowed per c. c.	Standard applies to—	Standard applies during—
Chattanooga, Tenn.....	57,077	500,000	Raw milk.....	Entire year.
Chelsea, Mass.....	32,452	500,000	do.....	Do.
Chicago, Ill.....	2,393,326	100,000	Inspected milk.....	Oct. 1-May 1.
		150,000	do.....	May 2-Sept. 30.
		150,000	Inspected cream.....	Oct. 1-May 1.
		300,000	do.....	May 2-Sept. 30.
Clinton, Iowa.....	26,802	1,000,000	Raw milk.....	Entire year.
Clinton, Mass.....	13,075	100,000	do.....	Summer months.
		60,000	do.....	Winter months.
Columbia, S. C.....	33,506	150,000	do.....	Entire year.
Columbus, Ga.....	21,805	200,000	Raw milk and cream.....	Do.
Columbus, Ohio.....	204,567	500,000	Raw milk.....	Do.
Concord, N. H.....	22,291	500,000	Raw milk and cream.....	Do.
Covington, Ky.....	55,896	500,000	Raw milk.....	Do.
Dayton, Ohio.....	123,794	100,000	do.....	Do.
Duluth, Minn.....	89,331	500,000	do.....	Do.
East Orange, N. J.....	39,852	100,000	do.....	Do.
Elizabeth, N. J.....	82,411	10,000	Certified milk.....	Do.
		50,000	Pasteurized milk.....	Do.
		250,000	Inspected milk.....	Do.
Elmira, N. Y.....	37,816	300,000	Raw milk.....	Do.
El Paso, Tex.....	49,505	150,000	do.....	Do.
Elyria, Ohio.....	17,396	500,000	do.....	Do.
Erie, Pa.....	72,401	100,000	do.....	Do.
		50,000	Pasteurized milk.....	Oct. 1-May 1.
		100,000	do.....	May 2-Sept. 30.
		100,000	Pasteurized cream.....	Oct. 1-May 1.
Evanston, Ill.....	27,724	150,000	do.....	May 2-Sept. 30.
		100,000	Inspected milk.....	Oct. 1-May 1.
		150,000	do.....	May 2-Sept. 30.
		150,000	Inspected cream.....	Oct. 1-May 1.
		300,000	do.....	May 2-Sept. 30.
Everett, Mass.....	37,381	50,000	Raw milk and cream.....	Entire year.
Everett, Wash.....	32,048	100,000	Raw milk.....	Do.
Fall River, Mass.....	125,443	200,000	do.....	Do.
Findlay, Ohio.....	14,858	500,000	do.....	Do.
Fitchburg, Mass.....	40,507	300,000	do.....	Do.
Fresno, Cal.....	29,809	30,000	do.....	Nov. 1-Mar. 31.
		50,000	do.....	Apr. 1-Oct. 31.
Fort Wayne, Ind.....	72,322	500,000	do.....	Entire year.
Galveston, Tex.....	40,289	100,000	do.....	Do.
Gardner, Mass.....	16,353	500,000	do.....	Do.
Grand Rapids, Mich.....	123,227	200,000	do.....	Do.
Greenville, S. C.....	17,395	100,000	do.....	Do.
Hagerstown, Md.....	17,749	500,000	do.....	Do.
Hamilton, Ohio.....	38,814	500,000	do.....	Do.
Harrisburg, Pa.....	69,493	500,000	do.....	Oct. 1-Apr. 1.
		1,000,000	do.....	Apr. 1-Oct. 1.
Haverhill, Mass.....	47,071	100,000	Raw milk and cream.....	Entire year.
Holyoke, Mass.....	62,852	500,000	Raw milk.....	Do.
Indianapolis, Ind.....	259,413	500,000	do.....	Do.
Jacksonville, Fla.....	70,173	200,000	do.....	Do.
Jamestown, N. Y.....	34,878	500,000	do.....	Do.
Johnstown, Pa.....	64,642	500,000	do.....	Do.
		1,500,000	Cream.....	Do.
Kansas City, Kans.....	94,271	300,000	Raw milk.....	Do.
Kansas City, Mo.....	281,911	300,000	do.....	Do.
Kearny, N. J.....	21,967	100,000	do.....	Do.
Lancaster, Pa.....	49,685	100,000	do.....	Do.
Lansing, Mich.....	37,512	50,000	do.....	Do.
Lawrence, Mass.....	95,834	100,000	do.....	Do.
Lexington, Ky.....	38,819	100,000	do.....	Do.
Lima, Ohio.....	33,904	500,000	do.....	Do.
Lincoln, Nebr.....	45,643	100,000	do.....	Do.
		500,000	Cream.....	Do.
		10,000	Pasteurized milk.....	Do.
Little Rock, Ark.....	53,811	20,000	Certified milk.....	Do.
		400,000	Raw milk.....	Do.
Long Beach, Cal.....	24,437	100,000	do.....	Do.
		50,000	Pasteurized milk.....	Do.
Long Branch, N. J.....	14,719	100,000	Raw milk, Grade A.....	Do.
		300,000	Raw milk, Grade B.....	Do.
		600,000	Raw milk, Grade C.....	Do.
Los Angeles, Cal.....	438,914	500,000	Raw milk.....	Do.
Lowell, Mass.....	111,004	500,000	do.....	Do.
Lynchburg, Va.....	31,830	50,000	Pasteurized milk.....	Do.
		500,000	Raw milk.....	Do.
Lynn, Mass.....	98,207	500,000	do.....	Do.
		100,000	do.....	November-April.
		200,000	do.....	April-November.
Macon, Ga.....	41,992	200,000	Sweet cream.....	November-April.
		500,000	do.....	April-November.

Cities.	Estimated population July 1, 1914.	Maximum number bacteria allowed per c. c.	Standard applies to—	Standard applies during—
Madison, Wis.	29,469	500,000	Raw milk	Entire year.
Malden, Mass.	48,979	500,000	do.	Do.
Mansfield, Ohio	22,100	500,000	do.	Do.
Marquette, Mich.	11,971	1,500,000	Cream	Do.
Medford, Mass.	25,240	500,000	Raw milk	Do.
Melrose, Mass.	16,887	800,000	Cream	Do.
Milwaukee, Wis.	408,683	500,000	Raw milk and cream	Do.
Minneapolis, Minn.	333,472	250,000	Raw milk	Do.
Mobile, Ala.	55,573	500,000	do.	Do.
Montclair, N. J.	24,782	100,000	do.	Do.
Montgomery, Ala.	41,777	10,000	Pasteurized milk.	Do.
Mount Vernon, N. Y.	35,047	100,000	Raw milk	Do.
Nashville, Tenn.	114,899	500,000	do.	Do.
Newark, N. J.	389,106	200,000	do.	Do.
		10,000	Certified milk	Do.
		30,000	Guaranteed milk.	Do.
		50,000	Pasteurized milk.	Do.
		100,000	Inspected milk.	Do.
New Bedford, Mass.	111,230	500,000	Raw milk	Do.
New Brunswick, N. J.	24,827	500,000	do.	Do.
Newburyport, Mass.	15,147	100,000	do.	Do.
New Haven, Conn.	144,505	100,000	do.	Do.
Newport, R. I.	59,154	500,000	do.	Winter season.
		300,000	do.	Summer season.
		50,000	Pasteurized milk, Grade A.	Entire year.
New York, N. Y.	5,333,539	60,000	Raw milk, Grade A.	Do.
		100,000	Pasteurized milk, Grade B.	Do.
North Yakima, Wash.	18,737	200,000	Raw milk	Do.
		30,000	Grade A milk	Do.
Norwalk, Conn.	26,033	50,000	Pasteurized milk.	Do.
		200,000	Grade B.	Do.
Norwood, Ohio	20,320	500,000	Raw milk	Do.
Oakland, Cal.	183,002	75,000	do.	Do.
		100,000	do.	Oct. 1-Mar. 31.
Ogden, Utah	29,528	500,000	do.	Apr. 1-Sept. 30.
Orange, N. J.	31,968	100,000	do.	Entire year.
Oshkosh, Wis.	35,097	250,000	do.	Do.
Paducah, Ky.	24,170	500,000	do.	Do.
Parkersburg, W. Va.	19,719	100,000	do.	Do.
Peoria, Ill.	70,006	100,000	do.	Do.
		150,000	do.	Oct. 1-May 1.
Perth Amboy, N. J.	38,265	10,000	Pasteurized milk.	May 1-Oct. 1.
		300,000	Raw milk	Entire year.
Pittsburgh, Pa.	564,878	500,000	do.	Do.
Plainfield, N. J.	22,755	150,000	do.	Do.
Portland, Me.	62,161	500,000	do.	Do.
Portland, Oreg.	260,601	100,000	Pasteurized milk.	Do.
		200,000	Raw milk	Do.
		50,000	Pasteurized milk.	Do.
Rockford, Ill.	52,337	250,000	Raw milk	Do.
		500,000	Cream	Do.
Sacramento, Cal.	62,717	100,000	Raw milk	Do.
Salem, Mass.	46,994	500,000	do.	Do.
		15,000	Class A milk	Do.
		50,000	Pasteurized milk.	Do.
Salt Lake City, Utah	109,530	80,000	Class B milk	Do.
		250,000	Class C milk	Do.
San Diego, Cal.	48,900	50,000	Pasteurized milk.	Do.
		10,000	Certified milk	Do.
San Francisco, Cal.	448,502	100,000	Inspected milk.	Do.
		100,000	Raw milk	Nov. 1-Apr. 1.
Savannah, Ga.	67,917	300,000	do.	Apr. 1-Nov. 1.
Schenectady, N. Y.	90,503	500,000	do.	Entire year.
Seattle, Wash.	313,029	400,000	do.	Do.
Shreveport, La.	32,906	100,000	do.	Do.
Somerville, Mass.	83,881	500,000	do.	Do.
Southbridge, Mass.	13,685	500,000	do.	Do.
Spartanburg, S. C.	20,125	100,000	do.	Winter.
		150,000	do.	Summer.
		10,000	Certified milk	Entire year.
Stamford, Conn.	33,095	50,000	Pasteurized milk	Do.
		1,000,000	Raw milk	Do.
		50,000	Pasteurized milk	Do.
St. Joseph, Mo.	82,712	300,000	Raw milk	Do.
St. Louis, Mo.	734,667	50,000	Pasteurized milk	Do.
St. Paul, Minn.	236,766	500,000	Raw milk	Do.
		10,000	Certified milk	Do.
Syracuse, N. Y.	149,353	50,000	Inspected milk	Do.
		250,000	Market milk	Do.

Cities.	Estimated population July 1, 1914.	Maximum number bacteria allowed per c. c.	Standard applies to—	Standard applies during—
Tacoma, Wash.....	103,418	200,000	Raw milk.....	Entire year.
Tampa, Fla.....	49,156	20,000	Certified milk.....	Do.
Toledo, Ohio.....	184,126	500,000	Raw milk.....	Do.
Trenton, N. J.....	106,831	100,000	do.....	Do.
Troy, N. Y.....	77,560	500,000	do.....	Do.
Waltham, Mass.....	29,688	300,000	do.....	Do.
Waterbury, Conn.....	82,517	300,000	do.....	Do.
Waterloo, Iowa.....	32,703	1,000,000	do.....	Do.
Westfield, Mass.....	17,635	500,000	do.....	Do.
Wheeling, W. Va.....	42,817	100,000	do.....	Do.
Winthrop, Mass.....	11,866	300,000	do.....	Do.
Worcester, Mass.....	157,732	500,000	do.....	Do.
Yonkers, N. Y.....	93,383	500,000	do.....	Do.
Youngstown, Ohio.....	93,341	500,000	do.....	Do.
Zanesville, Ohio.....	29,949	500,000	do.....	Do.